## WEST Search History for Application 10553231

Creation Date: 2009030210:37

Query	DB	Op.	Plur.	Thes.	Date
(photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) ) and (CCD or (charge near3 read\$) or accumulat\$)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) ) and (packag\$)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) ) and (pad or electrode)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) ) and (thin\$ or (etch\$ near4 back\$))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$))) and (cut\$ or die\$)	PGPB, USPT, USOC, EPAB, JPAB,	ADJ	YES		03-02-2009

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	DWPI, TDBD			
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (ctch\$ near4 back\$)) ) and ((cut\$ or dic\$) same (thin\$ or etch\$))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$))) and ((cut\$ or dic\$) same (pad or electrode or wir\$))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$))) and ((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or etch\$) near4 back\$)) and (cut\$ or dic\$) same (thin\$ or etch\$))) and (back\$ near3 (illum\$ or photo\$ or optical))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or etch\$) near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and (back\$ near3 (illum\$ or photo\$ or optical)) ) and ((adher\$ or bond\$) same (pad or electrode))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009

((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (ctch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (ctch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$))) and (cutting or dicing)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and (cutting or dicing)) and ((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and (back\$ near6 illum\$) or photo\$ or optical)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (teth\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$)) and (cut\$ or dic\$) same (thin\$ or etch\$))) and ((cutting or dicing) same thin\$)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and ((cutting or dicing) same thin\$)) and ((photo detect\$ or photodetect\$ or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009

optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and (cutting or dicing) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (cot\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (cot\$ or electrode) and (thin\$ or (etch\$ near4 back\$)) and (cot\$ or dic\$) same (thin\$ or etch\$)) and (back\$ near6 illum\$ or optical or electrode) and (thin\$ or etch\$) and (back\$ near6 illum\$ or optical or optical))				
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CXD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CXD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and (cut\$ or dic\$) same (thin\$ or etch\$)) and (cutting or dicing)) and (charge near4 accumulat\$)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$))) and ccd	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or etch\$) near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and ccd) and ((cutting or dicing) same thin\$)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
		ADJ	YES	03-02-2009

((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and ced ) and ((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and (cut\$ or dic\$) same (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and (cut\$ or dic\$) same (thin\$ or (etch\$) near4 back\$)) and (cut\$ or dic\$) same (thin\$ or (etch\$) and (cutting or dicing))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD			
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin5 or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or etch\$) near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and ced ) and ((cutting or dicing) same thin\$).clm.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin5 or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$))) and ((cutting or dicing) same thin\$),clm.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
"hiroya" near4 "kobayashi".inv.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
"hiroya" near2 "kobayashi".inv.	PGPB, USPT, USOC,	ADJ	YES	03-02-2009

	EPAB, JPAB, DWPI, TDBD			
("hiroya" near2 "kobayashi".inv.) and ((photo detects or photodetects or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and (back\$ near3 (illum\$) or photo\$ or optical))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
"hiroshi" near2 "akahori".inv.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
("hiroshi" near2 "akahori".inv.) and ((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or etch\$)) and (back\$ near3 illum\$ or photo\$ or optical))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
"masaharu" near2 "muramatsu".inv.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
("masaharu" near2 "muramatsu".inv.) and ((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (this or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009

accumulats) and (packags) and (pad or electrode) and (thins or (etchs near4 backs)) and ((cuts or dics) same (thins or etchs)) and (backs near3 (illums or photos or optical)))				
("masaharu" near2 "muramatsu".inv.) and ((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (pad or electrode or wir\$)) and (photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode) and (thin\$ or (etch\$ near4 back\$)) and ((cut\$ or dic\$) same (thin\$ or (etch\$)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009
("masaharu" near2 "muramatsu".inv.) and ((photo detect\$ or photodetect\$ or optical sensor or (back\$ near6 illum\$)) and (CCD or (charge near3 read\$) or accumulat\$) and (packag\$) and (pad or electrode))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	03-02-2009